

Claims

1. Method for wireless communication and telecommunication in a smart home environment with the following features:
 - a) A base station (BS) is connected, for holding telephone calls and sending/receiving text, audio, video and/or control data (TAVS), to a circuit-switched and/or packet-switched network (LVN, PVN) with an EXTERNAL data source/data sink (E-DQS) assigned to said network for text, audio, video and/or control data (TAVS) and at least one mobile element (MT, MT1, MT2, MT3, STB, MB, MBK, TKHA) is assigned to the base station BS for holding telephone calls and/or sending/receiving text, audio, video and/or control data (TAVS) via at least one air interface (LSS) or via at least one air interface (LSS) and a line interface (LTSS), with
 - a1) at least a first mobile element (MT, MT1, MB, MBK) and/or a second mobile element (MT, MT2, STB, MB, MBK) sending/receiving text, audio, video and/or control data (TAVS), with
 - a11) the first mobile element (MT, MT1, MB, MBK) and/or the base station (BS) being assigned to a first INTERNAL data source/data sink (I-DSQ1), to send the text, audio, video and/or control data (TAVS) transmitted from this and to receive the text, audio, video and/or control data (TAVS) to be transmitted to this and/or
 - a12) the second mobile element (MT, MT2, STB, MB, MBK) and/or the base station (BS) being assigned to a second INTERNAL data source/data sink (I-DSQ2) to send the text, audio, video and/or control data (TAVS) transmitted from this and to receive the text, audio, video and/or control data (TAVS) to be transmitted to this
 - a2) with at least one third mobile element (MT, MT3, TKHA) with

- a21) EXTERNAL telephone calls being held via the base station (BS) and, if there is more than one third mobile element (MT, MT3, TKHA), INTERNAL telephone calls also being held between the third mobile elements (MT, MT3, TKHA) or
 - a22) EXTERNAL telephone calls being held and text, audio, video and/or control data (TAVS) sent externally/received externally via the base station (BS) and, if there is more than one third mobile element (MT, MT3, TKHA), INTERNAL telephone calls also being held between the third mobile elements (MT, MT3) and text, audio, video and/or control data (TAVS) being sent/received internally,
- b) the third mobile element (MT, MT3, TKHA) generating control commands (STK) and sending these via the air interface (LSS), with said control commands (STK) being used
- b1) to detect text, audio, video and/or control data (TAVS) terminated in the base station (BS), in the first mobile element (MT, MT1, MB, MBK) and/or in the second mobile element (MT, MT2, STB, MB, MBK) and this data being sent from the equipment, in which the data terminated, directly or indirectly to the first INTERNAL data source/data sink (I-DQS), the second INTERNAL data source/data sink (I-DQS2) and/or the EXTERNAL data source/data sink (E-DQS) to be output, released or transferred out and/or
 - b2) to detect text, audio, video and/or control data (TAVS) terminated in the third mobile element (MT, MT3, TKHA), in the first INTERNAL data source/data sink (I-DQS1) and/or in the second INTERNAL data source/data sink (I-DQS2) and this data being sent from the equipment in which the data terminated via the first mobile element (MT, MT1, MB, MBK) assigned to the first INTERNAL data source/data sink (I-DQS1) or the second mobile element (MT, MT2, STB, MB, MBK) assigned to the second INTERNAL data source/data sink (I-DQS2) and/or the base station (BS) directly or indirectly to the third mobile

element (MT, MT3, TKHA), a further third mobile element (MT, MT3, TKHA), the EXTERNAL data source/data sink (E-DQS), the first INTERNAL data source/data sink (I-DQS1) and/or the second INTERNAL data source/data sink (I-DQS2), to be output, released or transferred out.

2. Method according to claim 1, characterized in that check commands are generated and transmitted in the HF signal via the air interface (LSS), with the check commands also controlling the output, release and transfer out of the text, audio, video and/or control data (TAVS).

3. Method according to claim 1 or 2, characterized in that a shared interface for telephony and broadband transmission or a separate interface for telephony and broadband transmission respectively is used as the air interface (LSS).

4. Method according to claim 3, characterized in that an interface based on DECT, WDCT, DECT and Bluetooth, WDCT and Bluetooth, DECT and IEEE 802.11a, DECT and IEEE 802.11b, DECT and IEEE 802.11g, WDCT and IEEE 802.11a, WDCT and IEEE 802.11b, WDCT and IEEE 802.11g, GSM and DECT, GSM and Bluetooth, GSM and IEEE 802.11a, GSM and IEEE 802.11b, GSM and IEEE 802.11g, 3GPPP and Bluetooth, 3GPP and IEEE 802.11a, 3GPP and IEEE 802.11b or 3GPP and IEEE 802.11g is used as the air interface (LSS).

5. Method according to claim 1, characterized in that short messages according to the Short Message Service or video text information is used as text data, telephone call information, music information according to the Multimedia Message Service (MMS) or audio downloads from the internet, in particular MP3 files, are used as audio data, image

information according to the Multimedia Message Service or video downloads from the internet are used as video data and/or data for controlling, measuring, regulating, calibrating, diagnosing and/or maintaining electrical appliances, in particular in the domestic field, is used as control data.

6. Method according to claim 1, 3 or 4, characterized in that

a cordless user-friendly telephone handset with keypad or voice control and display device including menu control is used as the third mobile element (MT, MT3, TKHA) and a cordless base station is used as the base station (BS).

7. Method according to claim 1, 3 or 4, characterized in that

a mobile telephone with a cordless interface, in particular a Bluetooth interface, keypad (TA) or voice control and display device (AV) including menu control is used as the third mobile element (MT, MT3, TKHA) and a cordless base station is used as the base station (BS).

8. Method according to claim 1, 6 or 7, characterized in that

a cordless I/O mobile box (MB, MBK) with an Ethernet interface or a USB interface is used as the first mobile element (MT, MT1, MB, MBK).

9. Method according to claim 1, 6, 7 or 8, characterized in that

a cordless set-top box (STB) and/or a cordless I/O mobile box (MB, MBK) having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface and/or an EIB/LON/LCN/KNX

interface respectively is used as the second mobile element (MT, MT2, STB, MB, MBK).

10. Method according to claim 1 or 8, characterized in that the first mobile element (MT, MT1, MB, MBK) is connected to a personal computer (PC) as the first INTERNAL data source/data sink (I-DQS1).

11. Method according to claim 1, characterized in that the first mobile element (MT, MT1, MB, MBK) is integrated in a personal computer (PC) as the first INTERNAL data source/data sink (I-DQS1).

12. Method according to claim 1 or 9, characterized in that the second mobile element (MT, MT2, STB, MB, MBK) is connected to a television (FA), a HIFI unit (HA) or an electrical appliance (ELG) as the second INTERNAL data source/data sink (I-DQS2).

13. Method according to claim 1, characterized in that the second mobile element (MT, MT2, STB, MB, MBK) is integrated in a television (FA), a HIFI unit (HA) or an electrical appliance (ELG) as the second INTERNAL data source/data sink (I-DQS2).

14. Method according to claim 1, characterized in that the EXTERNAL data source/data sink (E-DQS) is used as a multimedia message service center or a short message service center.

15. Method according to claim 1, characterized in that the base station (BS) is connected to a personal computer (PC) as the first INTERNAL data source/data sink (I-DQS1) and/or to

a television (FA), a HIFI unit (HA) or an electrical appliance (ELG) as the second INTERNAL data source/data sink (I-DQS2).

16. Method according to claim 1, characterized in that the base station (BS) as a network interface module (NSSM) is integrated in a personal computer (PC) as the first INTERNAL data source/data sink (I-DQS1), in a television (FA), HIFI (HA) or an electrical appliance (ELG) as the second INTERNAL data source/data sink (I-DQS2).

17. Method according to claim 1 and 10 or 1 and 11 characterized in that the control commands (STK) are used to wake up and start up the personal computer (PC) from standby mode.

18. Method according to claim 1 and 12 or 1 and 13, characterized in that the control commands (STK) are used to wake up and start up the television (FA), HIFI unit (HA) or electrical appliance (ELG) from standby mode.

19. Method according to claim 1, 9 and 12 or 1, 9 and 13, characterized in that the control commands (STK) are used to implement televoting.

20. Method according to claim 1, 9 and 12 or 1, 9 and 13, characterized in that the control commands (STK) are used to display the start and continuation of a television program on the third mobile element (MT3, MT, TKHA).

21. Telecommunication system (TKS1, TKS2, TKS3) for wireless communication and telecommunication in a smart home

environment with the following features:

- a) A base station BS for holding telephone calls and sending/receiving text, audio, video and/or control data (TAVS), which can be connected to a circuit-switched and/or packet-switched network (LVN, PVN) with an EXTERNAL data source/data sink (E-DQS) assigned to said network for text, audio, video and/or control data (TAVS), and at least one mobile element (MT, MT1, MT2, MT3, STB, MB, MBK, TKHA) are connected together for holding telephone calls and/or sending/receiving text, audio, video and/or control data (TAVS) via at least one air interface (LSS) or via at least one air interface (LSS) and a line interface (LTSS), with
 - a1) at least a first mobile element (MT, MT1, MB, MBK) and/or a second mobile element (MT, MT2, STB, MB, MBK) being configured to send/receive text, audio, video and/or control data (TAVS), with
 - a11) the first mobile element (MT, MT1, MB, MBK) and/or the base station (BS) being assigned respectively to the first INTERNAL data source/data sink (I-DSQ1), to receive the text, audio, video and/or control data (TAVS) intended for the first INTERNAL data source/data sink (I-DSQ1) and to send the text, audio, video and/or control data (TAVS) originating from the first INTERNAL data source/data sink (I-DSQ1) and/or
 - a12) the second mobile element (MT, MT2, STB, MB, MBK) and/or the base station (BS) being assigned respectively to the second INTERNAL data source/data sink (I-DSQ2) to receive the text, audio, video and/or control data (TAVS) intended for the second INTERNAL data source/data sink (I-DSQ2) and to send the text, audio, video and/or control data (TAVS) originating from the second INTERNAL data source/data sink (I-DSQ2),
 - a2) at least one third mobile element (MT, MT3, TKHA)
- a21) being configured for holding EXTERNAL telephone calls via the base station (BS) and, if there is more than one third

mobile element (MT, MT3, TKHA), also for holding INTERNAL telephone calls between the third mobile elements (MT, MT3, TKHA) or

a22) being configured for holding EXTERNAL telephone calls and for the EXTERNAL transmission/receipt of text, audio, video and/or control data (TAVS) via the base station (BS) and, if there is more than one third mobile element (MT, MT3, TKHA), also for holding INTERNAL telephone calls and for the INTERNAL transmission/receipt of text, audio, video and/or control data (TAVS) between the third mobile elements (MT, MT3),

b) the third mobile element (MT, MT3, TKHA) having a central control unit (MT-P) connected to the air interface (LSS) to control the operation and function processes in the third mobile element (MT, MT3, TKHA), a storage unit (MT-S) assigned to the central control unit (MT-P) and means (BSS, TA) connected to the central control unit (MT-P) for inputting text, audio, video and/or control data (TAVS) and means (BSS, AV) for outputting text, audio, video and/or control data (TAVS), which form a function unit, which is configured such that control commands (STK) are generated and transmitted via the air interface (LSS), with said control commands (STK) being used

b1) to detect text, audio, video and/or control data (TAVS) terminated in the base station (BS), in the first mobile element (MT, MT1, MB, MBK) and/or in the second mobile element (MT, MT2, STB, MB, MBK) and this data being sent from the equipment, in which the data terminated, directly or indirectly to the first INTERNAL data source/data sink (I-DQS1), the second INTERNAL data source/data sink (I-DQS2) and/or the EXTERNAL data source/data sink (E-DQS) to be output, released or transferred out and/or

b2) to detect text, audio, video and/or control data (TAVS)

terminated in the third mobile element (MT, MT3, TKHA), in the first INTERNAL data source/data sink (I-DQS1) and/or in the second INTERNAL data source/data sink (I-DQS2) and this data being sent from the equipment in which the data terminated via the first mobile element (MT, MT1, MB, MBK) assigned to the first INTERNAL data source/data sink (I-DQS1) or the second mobile element (MT, MT2, STB, MB, MBK) assigned to the second INTERNAL data source/data sink (I-DQS2) and/or the base station (BS) directly or indirectly to the third mobile element (MT, MT3, TKHA), a further third mobile element (MT, MT3, TKHA), the EXTERNAL data source/data sink (E-DQS), the first INTERNAL data source/data sink (I-DQS1) and/or the second INTERNAL data source/data sink (I-DQS2), to be output, released or transferred out.

22. Telecommunication system according to claim 21,
characterized in that

in the third mobile element (MT, MT3, TKHA) the central control unit (MT-P) with the assigned storage unit (MT-S) connected to the air interface (LSS) and the input means (BSS, TA) and output means (BSS, AV) connected to the central control unit (MT-P) are configured such that check commands are generated and transmitted in the HF signal via the air interface (LSS), with the check commands also being able to control the output, release and transfer out of the text, audio, video and/or control data (TAVS).

23. Telecommunication system according to claim 21 or 22,
characterized in that
the air interface (LSS) includes or is a shared interface for telephony and broadband transmission or a separate interface for telephony and broadband transmission respectively.

24. Telecommunication system according to claim 23,
characterized in that
the air interface (LSS) is an interface based on DECT, WDCT,
DECT and Bluetooth, WDCT and Bluetooth, DECT and IEEE 802.11a,
DECT and IEEE 802.11b, DECT and IEEE 802.11g, WDCT and IEEE
802.11a, WDCT and IEEE 802.11b, WDCT and IEEE 802.11g, GSM and
DECT, GSM and Bluetooth, GSM and IEEE 802.11a, GSM and IEEE
802.11b, GSM and IEEE 802.11g, 3GPPP and Bluetooth, 3GPP and
IEEE 802.11a, 3GPP and IEEE 802.11b or 3GPP and IEEE 802.11g.

25. Telecommunication system according to claim 21,
characterized in that
the text data includes short messages according to the Short
Message Service or video text information, the audio data
includes telephone call information, music information
according to the Multimedia Message Service (MMS) or audio
downloads from the internet, in particular MP3 files, the
video data includes image information according to the
Multimedia Message Service or video downloads from the
internet and/or the control data includes data for
controlling, measuring, regulating, calibrating, diagnosing
and/or maintaining electrical appliances, in particular in the
domestic field.

26. Telecommunication system according to claim 21, 23 or 24,
characterized in that
the third mobile element (MT, MT3, TKHA) is configured as a
cordless user-friendly telephone handset with keypad or voice
control and display device including menu control and the base
station (BS) is configured as a cordless base station.

27. Telecommunication system according to claim 21, 23 or 24,
characterized in that

the third mobile element (MT, MT3, TKHA) is configured as a mobile telephone with a cordless interface, in particular a Bluetooth interface, keypad (TA) or voice control and display device (AV) including menu control and the base station (BS) is configured as a cordless base station.

28. Telecommunication system according to claim 21, 26 or 27, characterized in that

the first mobile element (MT, MT1, MB, MBK) is configured as a cordless I/O mobile box (MB, MBK) with an Ethernet interface or a USB interface.

29. Telecommunication system according to claim 21, 26, 27 or 28, characterized in that

the second mobile element (MT, MT2, STB, MB, MBK) is configured as a cordless set-top box (STB) and/or a cordless I/O mobile box (MB, MBK) having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface and/or an EIB/LON/LCN/KNX interface respectively.

30. Telecommunication system according to claim 21 or 28, characterized in that

the first mobile element (MT, MT1, MB, MBK) is connected to a personal computer (PC) as the first INTERNAL data source/data sink (I-DQS1).

31. Telecommunication system according to claim 21, characterized in that

the first mobile element (MT, MT1, MB, MBK) is integrated in a personal computer (PC) as the first INTERNAL data source/data sink (I-DQS1).

32. Telecommunication system according to claim 21 or 29, characterized in that the second mobile element (MT, MT2, STB, MB, MBK) is connected to a television (FA), a HIFI unit (HA) or an electrical appliance (ELG) as the second INTERNAL data source/data sink (I-DQS2).

33. Telecommunication system according to claim 21, characterized in that the second mobile element (MT, MT2, STB, MB, MBK) is integrated in a television (FA), a HIFI unit (HA) or an electrical appliance (ELG) as the second INTERNAL data source/data sink (I-DQS2).

34. Telecommunication system according to claim 21, characterized in that the EXTERNAL data source/data sink (E-DQS) is configured as a multimedia message service center or a short message service center.

35. Telecommunication system according to claim 21, characterized in that the base station (BS) is connected to a personal computer (PC) as the first INTERNAL data source/data sink (I-DQS1) and/or to a television (FA), a HIFI unit (HA) or an electrical appliance (ELG) as the second INTERNAL data source/data sink (I-DQS2).

36. Telecommunication system according to claim 21, characterized in that the base station (BS) as a network interface module (NSSM) is integrated in a personal computer (PC) as the first INTERNAL data source/data sink (I-DQS1), in a television (FA), HIFI (HA) or an electrical appliance (ELG) as the second INTERNAL

data source/data sink (I-DQS2).

37. Telecommunication system according to claim 21 and 30 or 21 and 31, characterized in that the control commands (STK) are supplied such that the personal computer (PC) is woken up and started up from standby mode.

38. Telecommunication system according to claim 21 and 32 or 21 and 33, characterized in that the control commands (STK) are supplied such that the television (FA), HIFI unit (HA) or electrical appliance (ELG) is woken up and started up respectively from standby mode.

39. Telecommunication system according to claim 21, 29 and 32 or 21, 29 and 33, characterized in that the control commands (STK) are supplied such that televoting is implemented.

40. Telecommunication system according to claim 21, 29 and 32 or 21, 29 and 33, characterized in that the control commands (STK) are supplied such that the start and continuation of a television program are displayed on the third mobile element (MT3, MT, TKHA).

41. Telecommunication handset (MT, MT3, TKHA) for wireless communication and telecommunication in a smart home environment with the following features:

a) At least one air interface (LSS), a central control unit (MT-P) connected to the air interface (LSS) for controlling operation and function processes in the telecommunication handset (MT, MT3, TKHA), a storage unit (MT-S) assigned to the central control unit (MT-P) and means (BSS, TA) connected to the central control unit (MT-P) for inputting text, audio,

video and/or control data (TAVS) and means (BSS, AV) connected to the central control unit (MT-P) for outputting text, audio, video and/or control data (TAVS) form a functional unit, which is configured such that

- a1) the telecommunication handset (MT, MT3, TKHA) can be connected to a base station (BS) for holding EXTERNAL telephone calls or for holding EXTERNAL telephone calls and for the EXTERNAL transmission/receipt of text, audio, video and/or control data (TAVS), said base station (BS) being such that it can be connected to a circuit-switched and/or packet-switched network (LVN, PVN) with an EXTERNAL data source/data sink (E-DQS) assigned thereto for text, audio, video and/or control data (TAVS),
- a2) if further telecommunication handsets (MT, MT3, TKHA) and/or at least one additional first mobile element (MT, MT1, MB, MBK) and/or second mobile element (MT, MT2, MB, MBK) is/are connected to the base station (BS) for sending/receiving text, audio, video and/or control data (TAVS), the telecommunication handset (MT, MT3, TKHA)
 - a21) can be connected to each of these telecommunication handsets (MT, MT3, TKHA) for holding INTERNAL telephone calls or for holding INTERNAL telephone calls and for the INTERNAL transmission/receipt of text, audio, video and/or control data (TAVS),
 - a22) can be connected to each of these mobile elements (MT, MT1, MT2, STB, MB, MBK) for the INTERNAL transmission/receipt of text, audio, video and/or control data (TAVS), with
 - a23) the first mobile element (MT, MT1, MB, MBK) and/or the base station being assigned respectively to the first INTERNAL data sink (I-DSQ1), to receive the text, audio, video and/or control data (TAVS) intended for the first INTERNAL data source/data sink (I-DSQ1) and to send the text, audio, video and/or control data (TAVS) originating from the first INTERNAL

data source/data sink (I-DSQ1) and/or
a24) the second mobile element (MT, MT2, STB, MB, MBK) and/or
the base station (BS) being assigned respectively to the
second INTERNAL data source/data sink (I-DSQ2) to receive the
text, audio, video and/or control data (TAVS) intended for the
second INTERNAL data source/data sink (I-DSQ2) and to send the
text, audio, video and/or control data (TAVS) originating from
the second INTERNAL data source/data sink (I-DSQ2),
a3) control commands (STK) being generated and transmitted via
the air interface (LSS), with said control commands being used
a31) to detect text, audio, video and/or control data (TAVS)
terminated in the base station (BS), in the first mobile
element (MT, MT1, MB, MBK) and/or in the second mobile element
(MT, MT2, STB, MB, MBK) and this data being sent from the
equipment, in which the data terminated, directly or
indirectly to the first INTERNAL data source/data sink (I-
DQS1), the second INTERNAL data source/data sink (I-DQS2)
and/or the EXTERNAL data source/data sink (E-DQS) to be
output, released or transferred out and/or
a32) to detect text, audio, video and/or control data (TAVS)
terminated in the telecommunication handset (MT, MT3, TKHA),
in the first INTERNAL data source/data sink (I-DQS1) and/or in
the second INTERNAL data source/data sink (I-DQS2) and this
data being sent from the equipment in which the data
terminated via the first mobile element (MT, MT1, MB, MBK)
assigned to the first INTERNAL data source/data sink (I-DQS1)
or the second mobile element (MT, MT2, STB, MB, MBK) assigned
to the second INTERNAL data source/data sink (I-DQS2) and/or
the base station (BS) directly or indirectly to the
telecommunication handset (MT, MT3), one of the further
telecommunication handsets (MT, MT3), the EXTERNAL data
source/data sink (E-DQS), the first INTERNAL data source/data
sink (I-DQS1) and/or the second INTERNAL data source/data sink

(I-DQS2), to be output, released or transferred out.

42. Telecommunication handset according to claim 41,
characterized in that

the function unit formed by the air interface (LSS), the
central control unit (MT-P) connected to the air interface
(LSS), the storage unit (MT-S) assigned to the central control
unit (MT-P) and the input means (BSS, TA) and output means
(BSS, AV) connected to the central control unit (MT-P) is
configured such that check commands are generated and
transmitted in the HF signal via the air interface (LSS), with
the check commands also being able to control the output,
release and transfer out of the text, audio, video and/or
control data (TAVS).

43. Cordless telephone handset according to claim 41 or 22,
characterized in that

the air interface (LSS) includes or is a shared interface for
telephony and broadband transmission or a separate interface
for telephony and broadband transmission respectively.

44. Telecommunication handset according to claim 43,
characterized in that

the air interface (LSS) is an interface based on DECT, WDCT,
DECT and Bluetooth, WDCT and Bluetooth, DECT and IEEE 802.11a,
DECT and IEEE 802.11b, DECT and IEEE 802.11g, WDCT and IEEE
802.11a, WDCT and IEEE 802.11b, WDCT and IEEE 802.11g, GSM and
DECT, GSM and Bluetooth, GSM and IEEE 802.11a, GSM and IEEE
802.11b, GSM and IEEE 802.11g, 3GPPP and Bluetooth, 3GPP and
IEEE 802.11a, 3GPP and IEEE 802.11b or 3GPP and IEEE 802.11g.

45. Telecommunication handset according to claim 31,
characterized in that

the text data includes short messages according to the Short Message Service or video text information, the audio data includes telephone call information, music information according to the Multimedia Message Service (MMS) or audio downloads from the internet, in particular MP3 files, the video data includes image information according to the Multimedia Message Service or video downloads from the internet and/or the control data includes data for controlling, measuring, regulating, calibrating, diagnosing and/or maintaining electrical appliances, in particular in the domestic field.

46. Telecommunication handset according to claim 41, 43 or 44, characterized by

a cordless user-friendly telephone handset with keypad (TA) or voice control and display device (AV) including menu control, which is assigned to a cordless base station as the base station (BS).

47. Telecommunication handset according to claim 41, 43 or 44, characterized by

a mobile telephone with a cordless interface, in particular a Bluetooth interface, keypad (TA) or voice control and display device (AV) including menu control, which is assigned to a cordless base station as the base station (BS).

48. Telecommunication handset according to claim 41, 46 or 47, characterized in that

the first mobile element (MT, MT1, MB, MBK) is configured as a cordless I/O mobile box (MB, MBK) with an Ethernet interface or a USB interface.

49. Telecommunication handset according to claim 41, 46, 47 or 48, characterized in that the second mobile element (MT, MT2, STB, MB, MBK) is configured as a cordless set-top box (STB) and/or a cordless I/O mobile box (MB, MBK) having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface and/or an EIB/LON/LCN/KNX interface respectively.

50. Telecommunication handset according to claim 41 or 48, characterized in that the first mobile element (MT, MT1, MB, MBK) is connected to a personal computer (PC) as the first INTERNAL data source/data sink (I-DQS1).

51. Telecommunication handset according to claim 41, characterized in that the first mobile element (MT, MT1, MB, MBK) is integrated in a personal computer (PC) as the first INTERNAL data source/data sink (I-DQS1).

52. Telecommunication handset according to claim 41 or 49, characterized in that the second mobile element (MT, MT2, STB, MB, MBK) is connected to a television (FA), a HIFI unit (HA) or an electrical appliance (ELG) as the second INTERNAL data source/data sink (I-DQS2).

53. Telecommunication handset according to claim 41, characterized in that the second mobile element (MT, MT2, STB, MB, MBK) is integrated in a television (FA), a HIFI unit (HA) or an electrical appliance (ELG) as the second INTERNAL data source/data sink (I-DQS2).

54. Telecommunication handset according to claim 41,
characterized in that
the EXTERNAL data source/data sink (E-DQS) is configured as a
multimedia message service center or a short message service
center.

55. Telecommunication handset according to claim 41,
characterized in that
the base station (BS) is connected to a personal computer (PC)
as the first INTERNAL data source/data sink (I-DQS1) and/or to
a television (FA), a HIFI unit (HA) or an electrical appliance
(ELG) as the second INTERNAL data source/data sink (I-DQS2).

56. Telecommunication handset according to claim 41,
characterized in that
the base station (BS) as a network interface module (NSSM) is
integrated in a personal computer (PC) as the first INTERNAL
data source/data sink (I-DQS1), in a television (FA), HIFI
(HA) or an electrical appliance (ELG) as the second INTERNAL
data source/data sink (I-DQS2).

57. Telecommunication handset according to claim 41 and 50 or
41 and 51, characterized in that
the control commands (STK) are supplied such that the personal
computer (PC) is woken up and started up from standby mode.

58. Telecommunication handset according to claim 41 and 52 or
41 and 53, characterized in that
the control commands (STK) are supplied such that the
television (FA), HIFI unit (HA) or electrical appliance (ELG)
is woken up and started up respectively from standby mode.

59. Telecommunication handset according to claim 41, 49 and 52 or 41, 49 and 53, characterized in that the control commands (STK) are supplied such that televoting is implemented.

60. Telecommunication handset according to claim 41, 49 and 52 or 41, 49 and 53, characterized in that the control commands (STK) are supplied such that the start and continuation of a television program are displayed on the telecommunication handset (MT3, MT, TKHA).